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| **Revised 01/22/2022** | **NSF BIOGRAPHICAL SKETCH** | **OMB-3145-0058** |

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| NAME: Caroline VanIngen-DunnPOSITION TITLE & INSTITUTION: Director, Center for Broadening Participation in STEM, Arizona State University |

1. **PROFESSIONAL PREPARATION**

(see **PAPPG Chapter II.C.2.f.(i)(a)**)

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| **INSTITUTION** | **LOCATION** | **MAJOR/AREA OF STUDY** | **DEGREE (if applicable)** | **YEAR (YYYY)** |
| University of IowaStanford University | Iowa City, IAStanford, CA | Biomedical EngineeringMechanical Engineering | B.S.EM.S. | 19831985 |

1. **APPOINTMENTS**

(see **PAPPG Chapter II.C.2.f.(i)(b)**)

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| **From – To** | **Position Title, Organization and Location** |
| 2018 – current2008 – 20181998 – 20081985 – 1998 | Director, Center for Broadening Participation in STEM (formerly the SFAz Center for STEM) at Arizona State UniversityDirector, Community College STEM Pathways, Science Foundation Arizona (SFAz)Owner/President, CVID Consulting Services, LLC supporting and managing STEM Education and Engineering programs and research projects.Supervisor, Biomedical Engineer, Safety and Human Factors Engineering for Aerospace & Defense, Automotive, and Commuter Rail Industries, Simula, Inc. |

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| 1. **PRODUCTS**

(see **PAPPG Chapter II.C.2.f.(i)(c)**)**Products Most Closely Related to the Proposed Project** |
| 1. Pickering, Cynthia K. and Craft, Elaine L. and VanIngen-Dunn, Caroline and DeWitt, Emery and Roberts, Richard H. and Slisz, Judith "The Road to Strengthening 2-year Hispanic-Serving Institution Participation in the NSF ATE Funding Program" *ASEE Annual Conference proceedings* , 2021
2. Pickering C, VanIngen-Dunn C., Grierson A, Tanguma-Gallegos A. Achieving Broader Impacts in STEM at 2-year Hispanic Serving Institutions. ASEE Annual Conference and Exposition, Conference Proceedings, June 2020.
3. Pickering C, Craft E, VanIngen-Dunn C. The Emerging impact of Community College Hispanic-Serving Institutions (2-year HSIs) in Educating Technicians in Advanced Technologies – Defining the Opportunities and Addressing the Challenges. ASEE Annual Conference and Exposition, Conference Proceedings, June 2019.
4. Pickering C, VanIngen-Dunn C, Grierson A, Tanguma A, “KickStarter: Providing Hispanic Serving Community Colleges with Technical Assistance to Improve their Federal Funding Competitiveness”, ASEE Annual Conference & Exposition, Conference Proceedings, June 2018.
5. VanIngen-Dunn C, Pickering C, “Community College STEM Pathways Guide: A Collaborative Online System for Design and Implementation of STEM Pathway Programs,” IEEE Proceedings of the International Conference on Collaboration Technologies and Systems, October 2016.
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| **Other Significant Products, Whether or Not Related to the Proposed Project** |
| 1. Bunkelmann, J., Noravian, A., Gilliland, M.K., VanIngen-Dunn, C., Lopez, M., Grierson, A., Franco, M., The State of STEM Education in Rural Hispanic Serving Institutions, A Consensus Report, September 2021, NSF#1940949
2. Pickering C, VanIngen-Dunn C., Grierson A, Tanguma-Gallegos A. Achieving Broader Impacts in STEM at 2-year Hispanic Serving Institutions. ASEE Annual Conference and Exposition, Conference Proceedings, June 2020.
3. VanIngen-Dunn C, Pickering C, McBride P, Fick V, Slisz J. “Meeting STEM Workforce Demand in a Statewide Rural Community College Collaborative,” ASEE Annual Conference & Exposition, Conference Proceedings, June 2018.
4. Anderson-Rowland, M.R., VanIngen-Dunn, C, “Improving a University/Community College Partnership Program Having a Reduced Budget,” Arizona State University, Proceedings of the American Society of Engineering Educators (ASEE), June 2006.
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1. **SYNERGISTIC ACTIVITIES**

(see **PAPPG Chapter II.C.2.f.(i)(d)**)

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| 1. Contributor to the Track Summaries of The University of Arizona Conference, Transforming STEM Education in Hispanic Serving Institutions in the United States*,* A Consensus Report authored by G. Lozano, M. Franco, V. Subbian, 2018.
2. Selected to the Arizona Career and Technology Education Association, Circle of Distinction, 2018.
3. Governing Board of Directors, YWCA Metropolitan Phoenix, “Eliminating Racism, Empowering Women,” Advocacy and Finance committees, 2016 – present.
4. Advisory Board Member, University of Iowa, College of Engineering, 2004 – present.
5. National Board of Directors, Society of Women Engineers, 1990 – 1992.
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